

FIG. 1

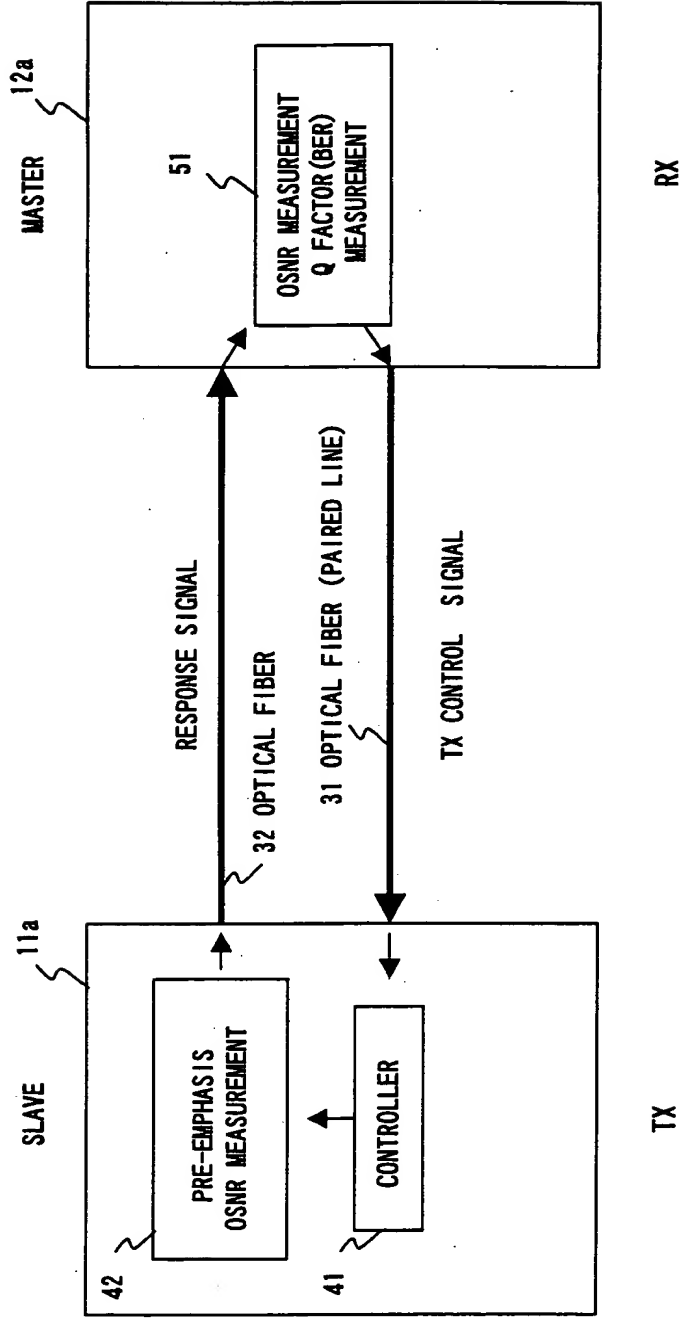


FIG. 2

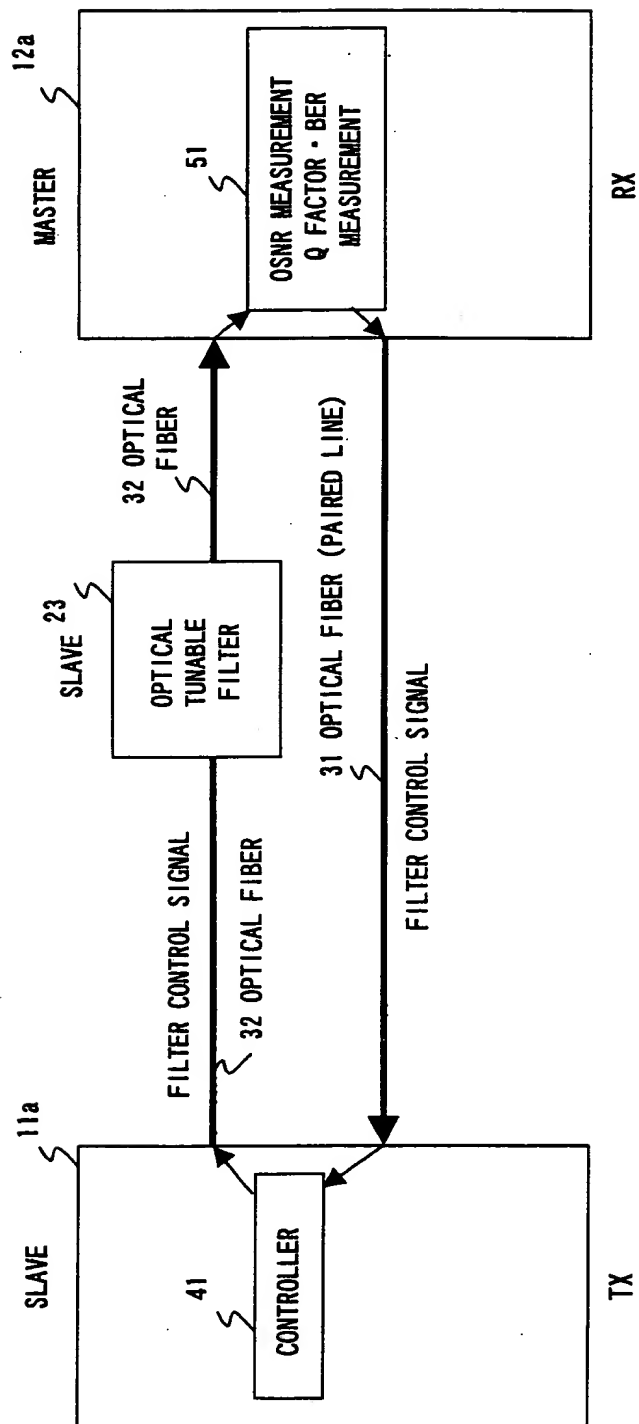


FIG. 3

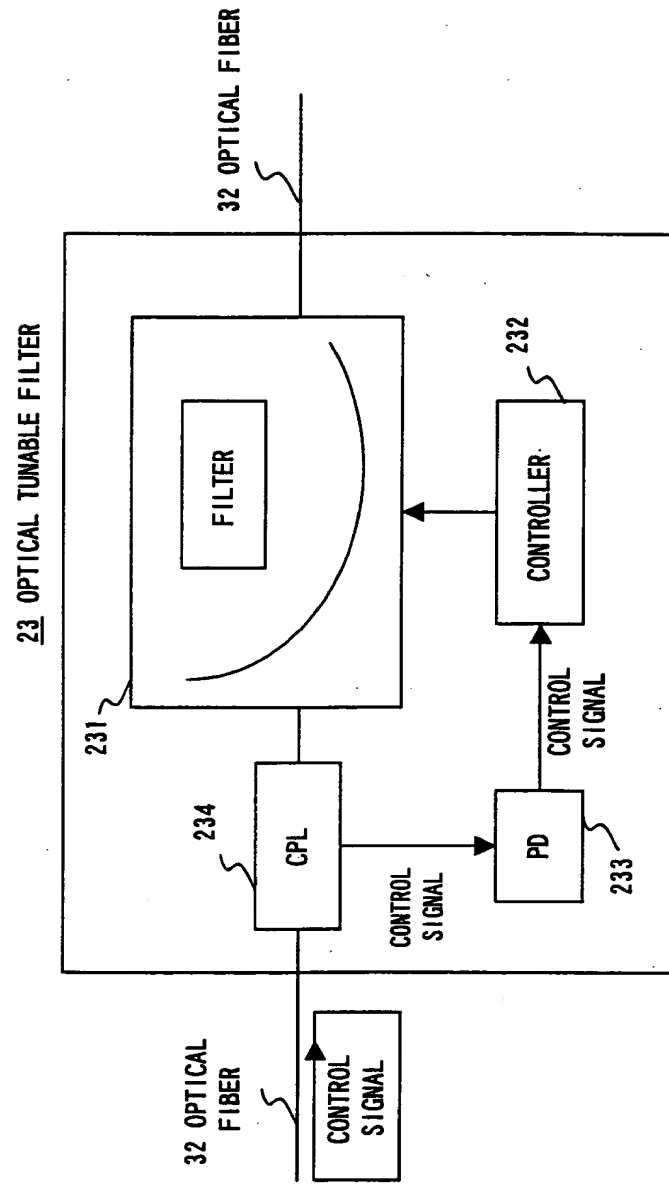


FIG. 4

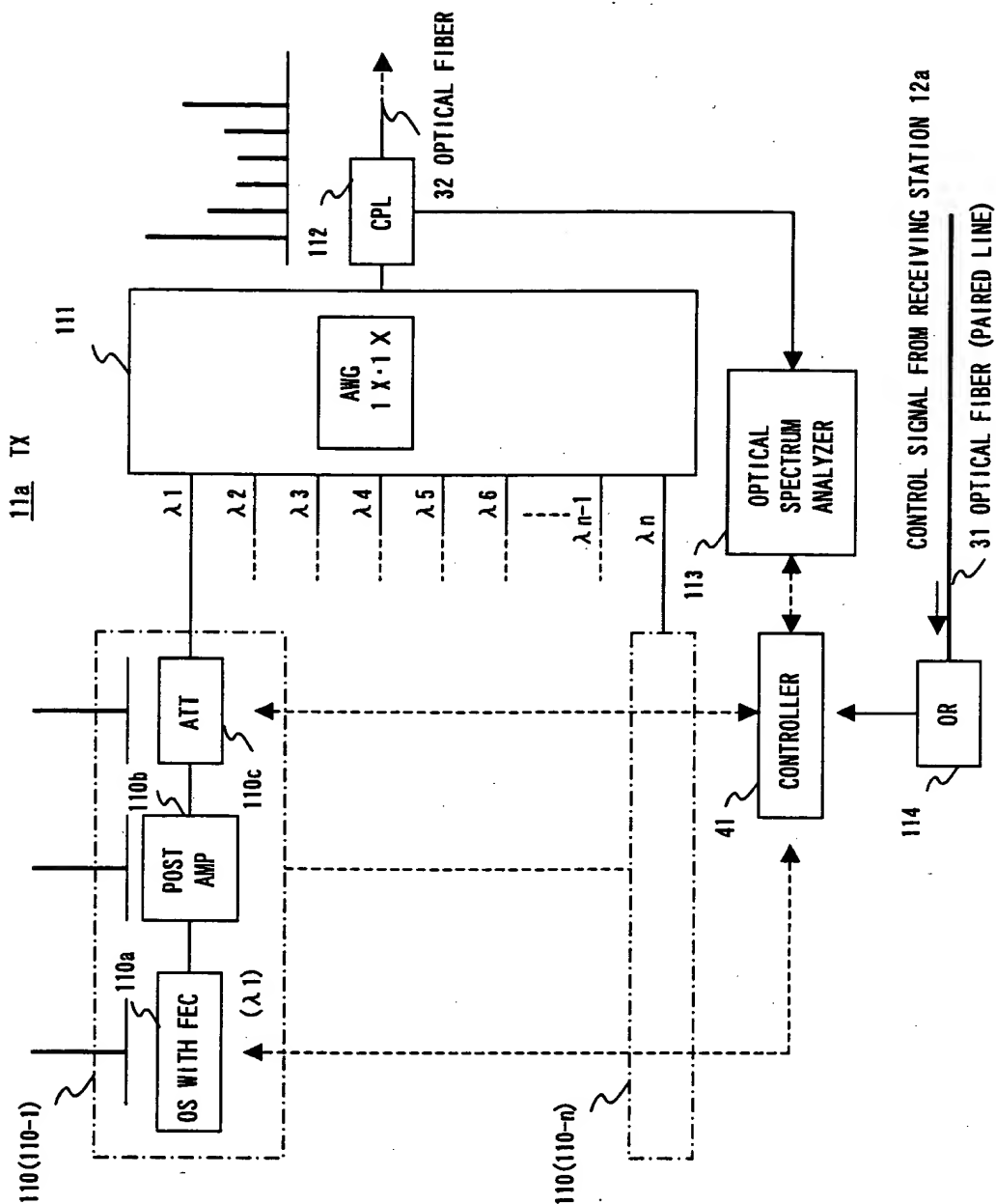


FIG. 5

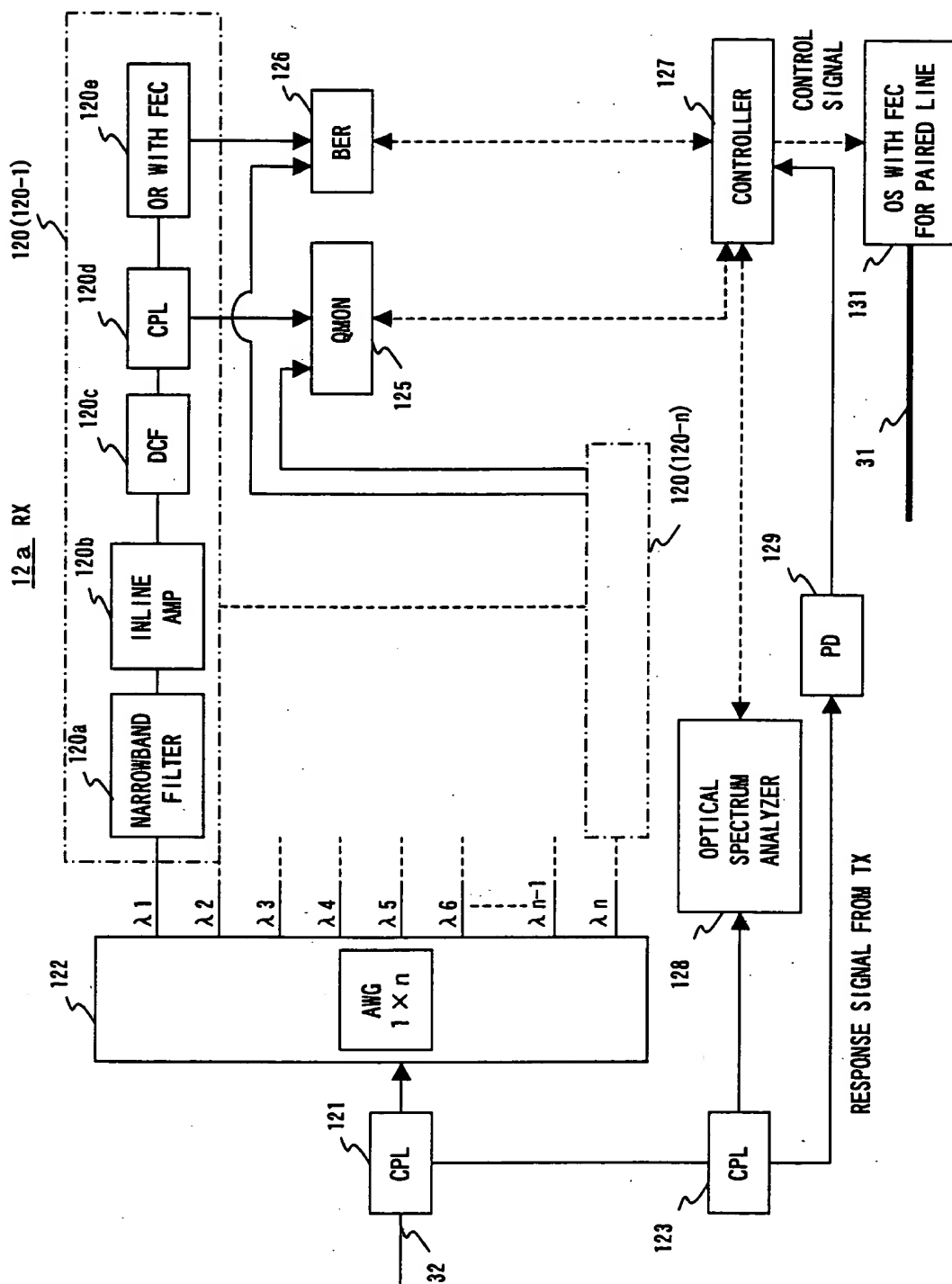


FIG. 6

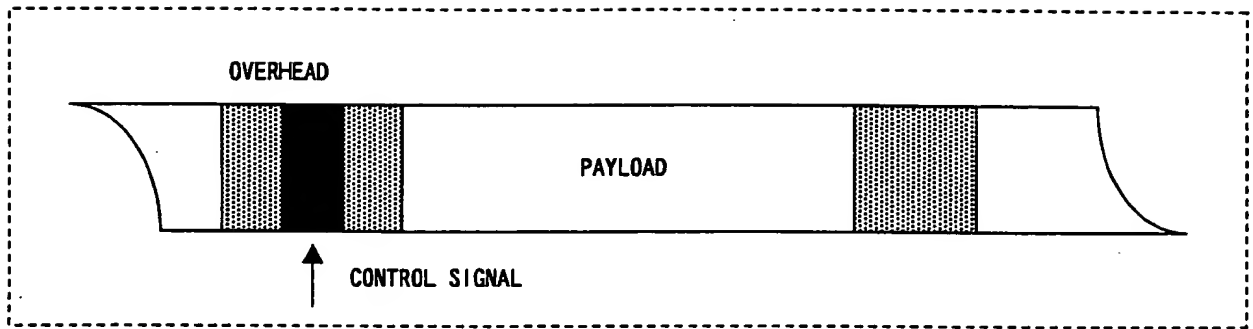


FIG. 7A

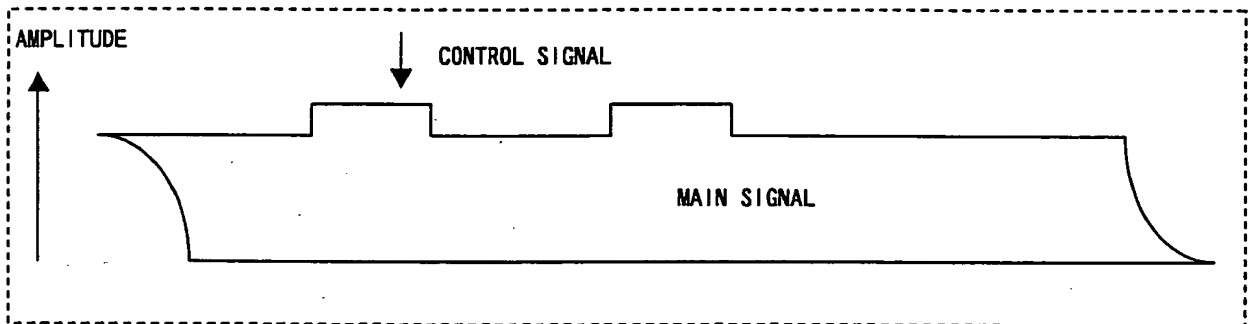


FIG. 7B

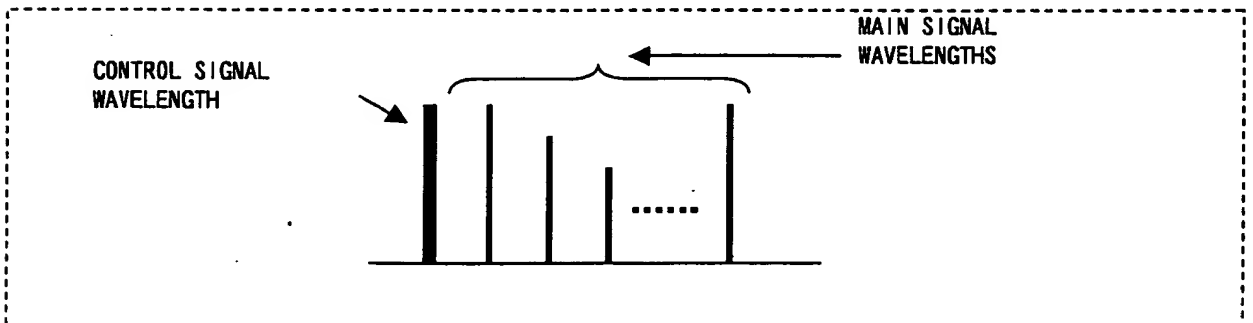


FIG. 7C

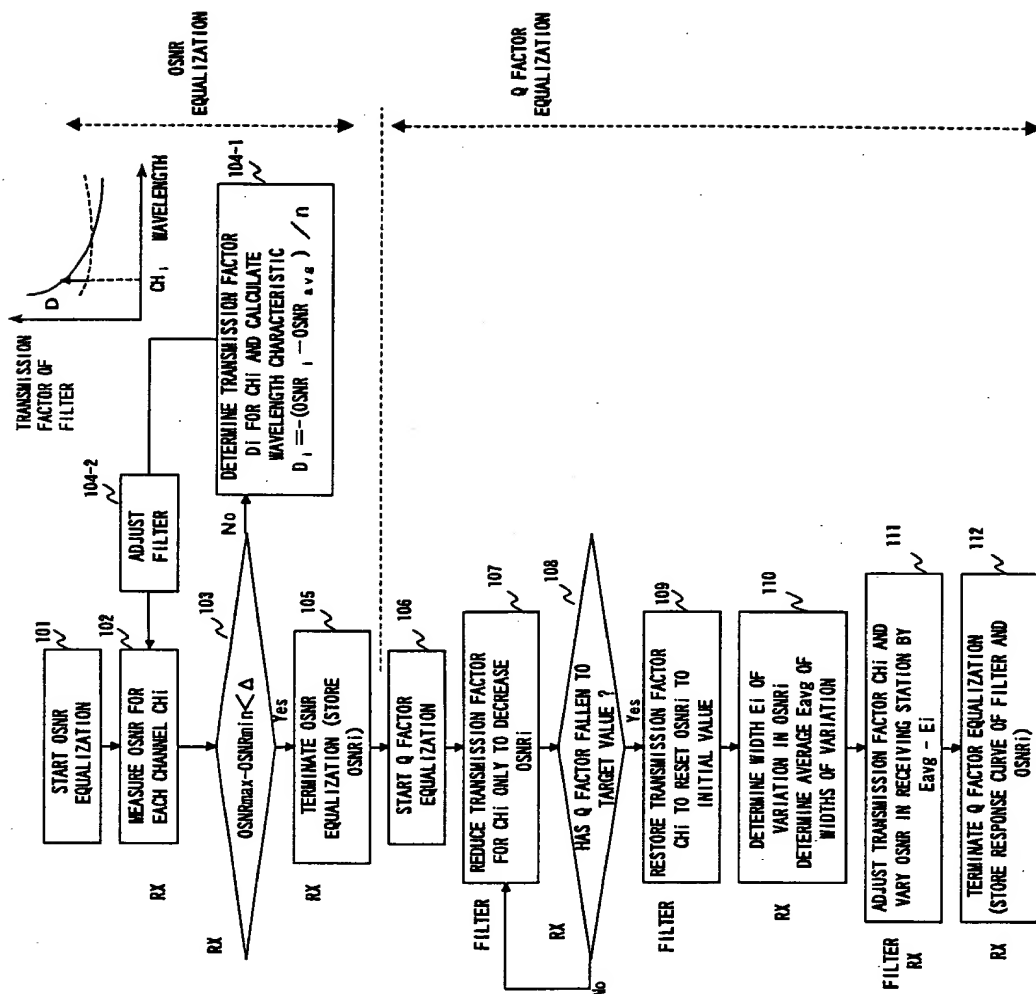


FIG. 8

00000757404250

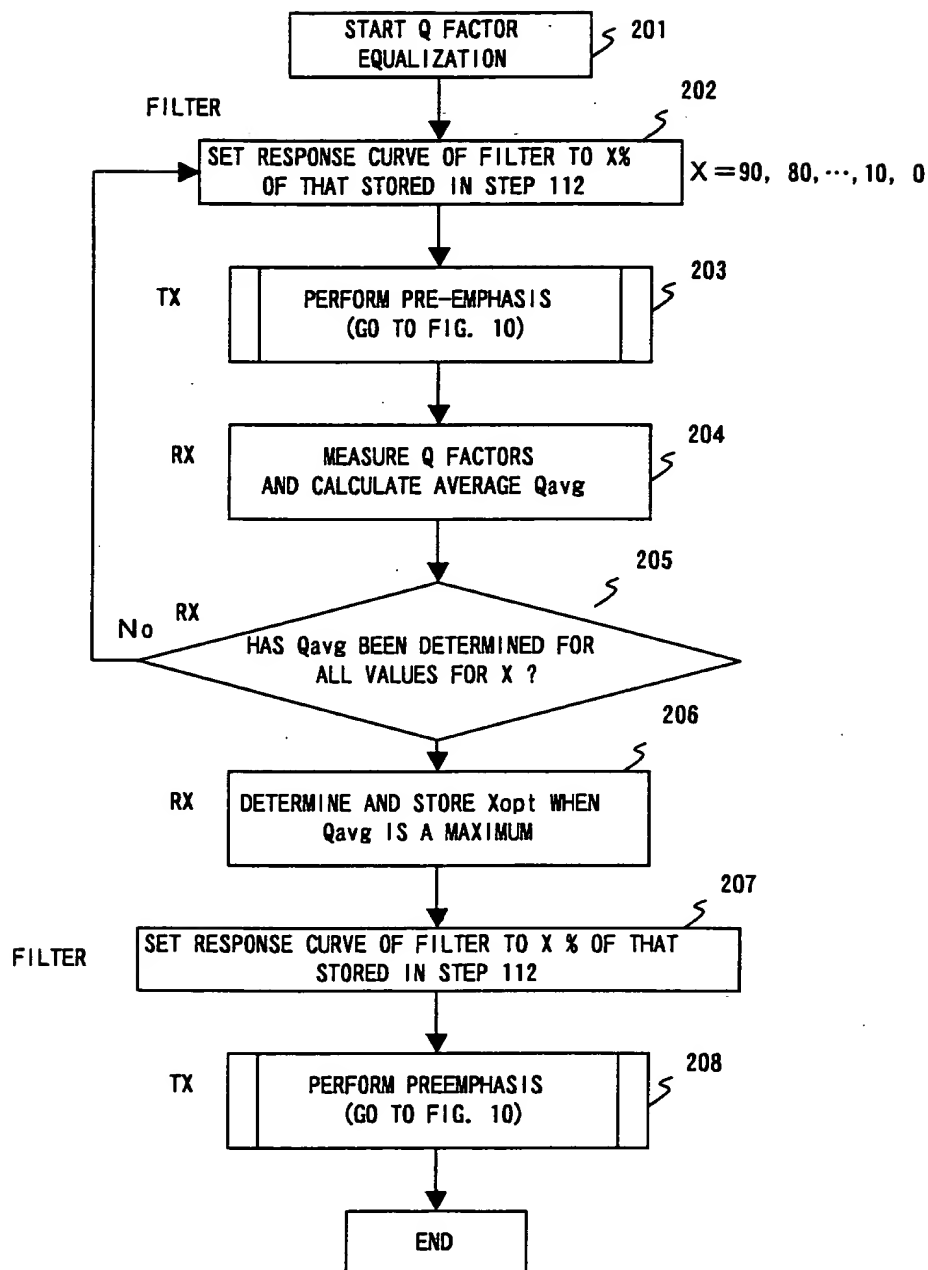


FIG. 9

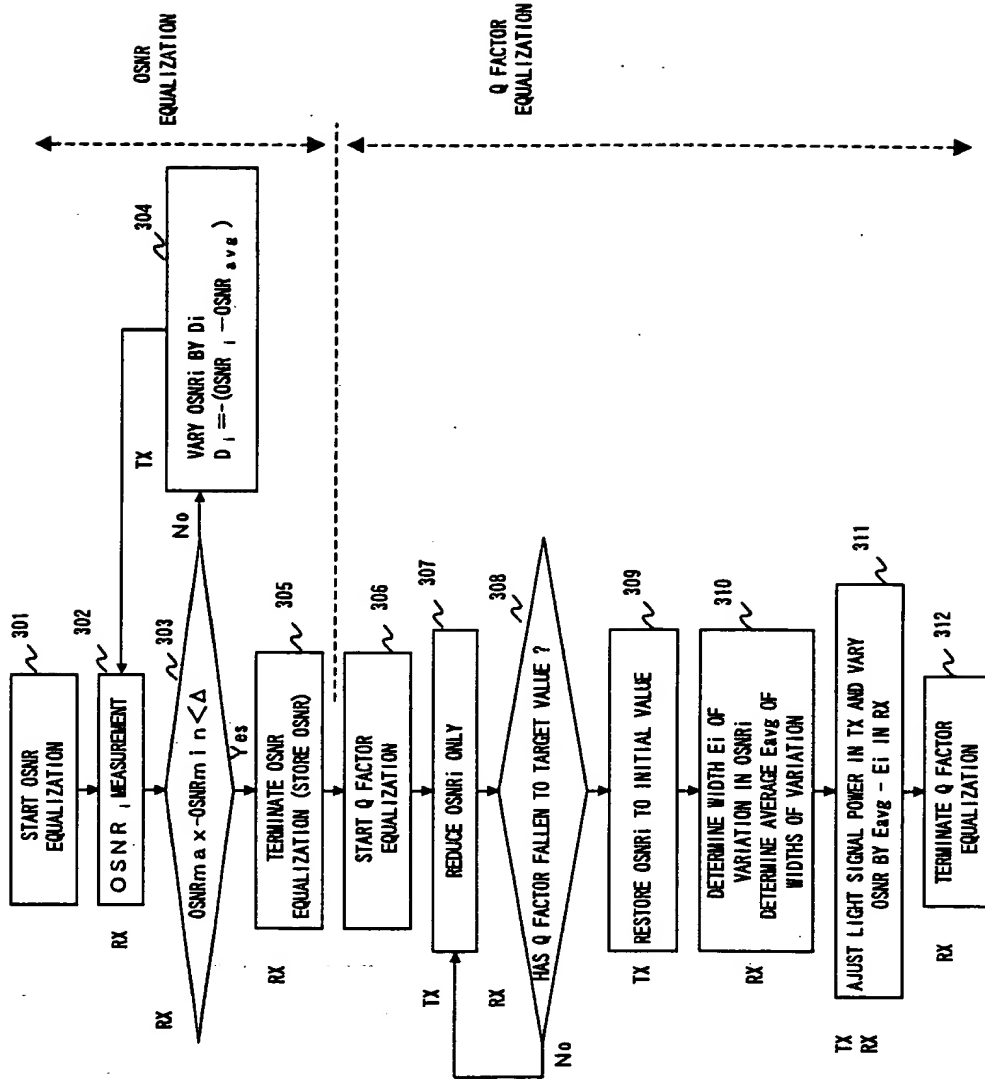


FIG. 10

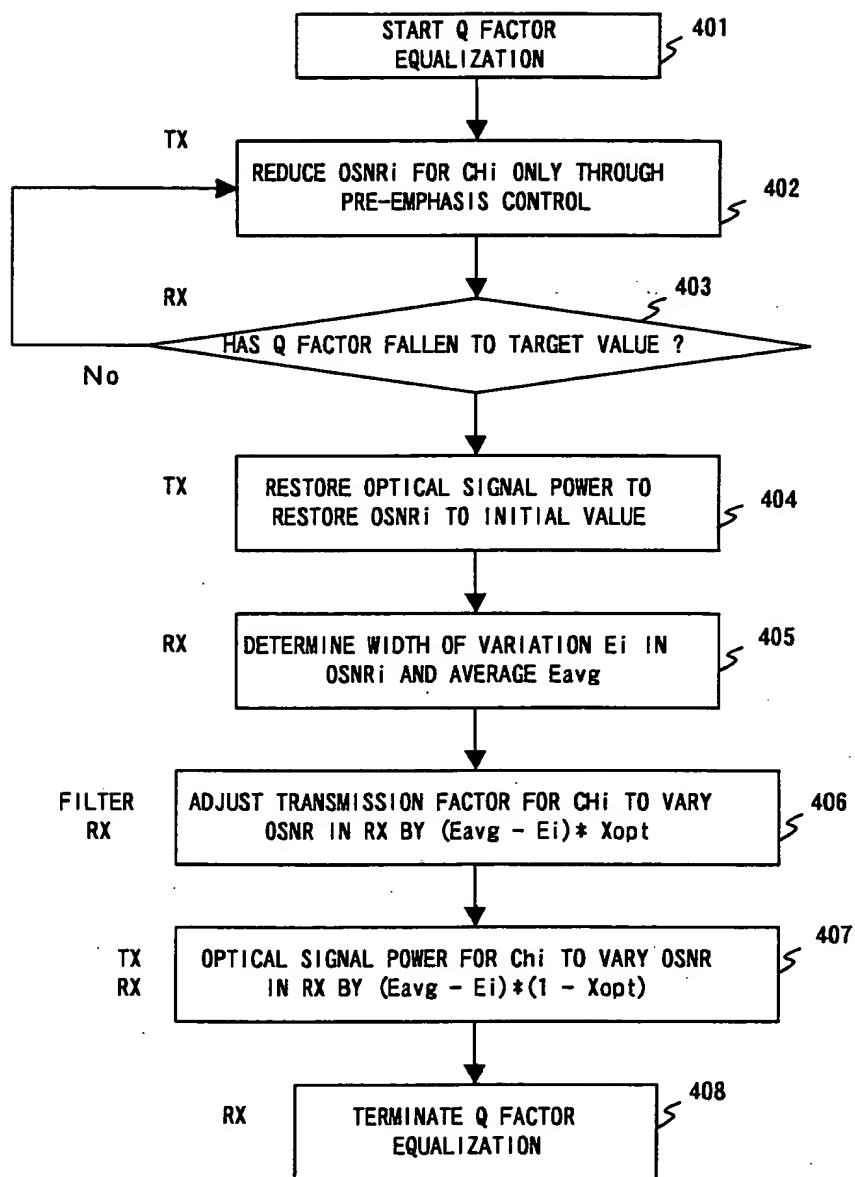


FIG. 11

The diagram shows two vertical bars representing the signal spectrum for two channels, CH 1 and CH 2. The width of the variation in OSNR is indicated by the height of the bars. For CH 1, the width of variation is labeled as "WIDTH OF VARIATION IN OSNR E1". For CH 2, the width of variation is labeled as "E2". The OSNR when the Q factor is equal to the target value is labeled as "OSNR WHEN Q FACTOR = TARGET VALUE B1" for CH 1 and "B2" for CH 2. The noise level is indicated by a horizontal line labeled "NOISE" with arrows pointing to the noise floor for both channels. The channels are labeled "CH 1" and "CH 2" at the bottom.

FIG. 12

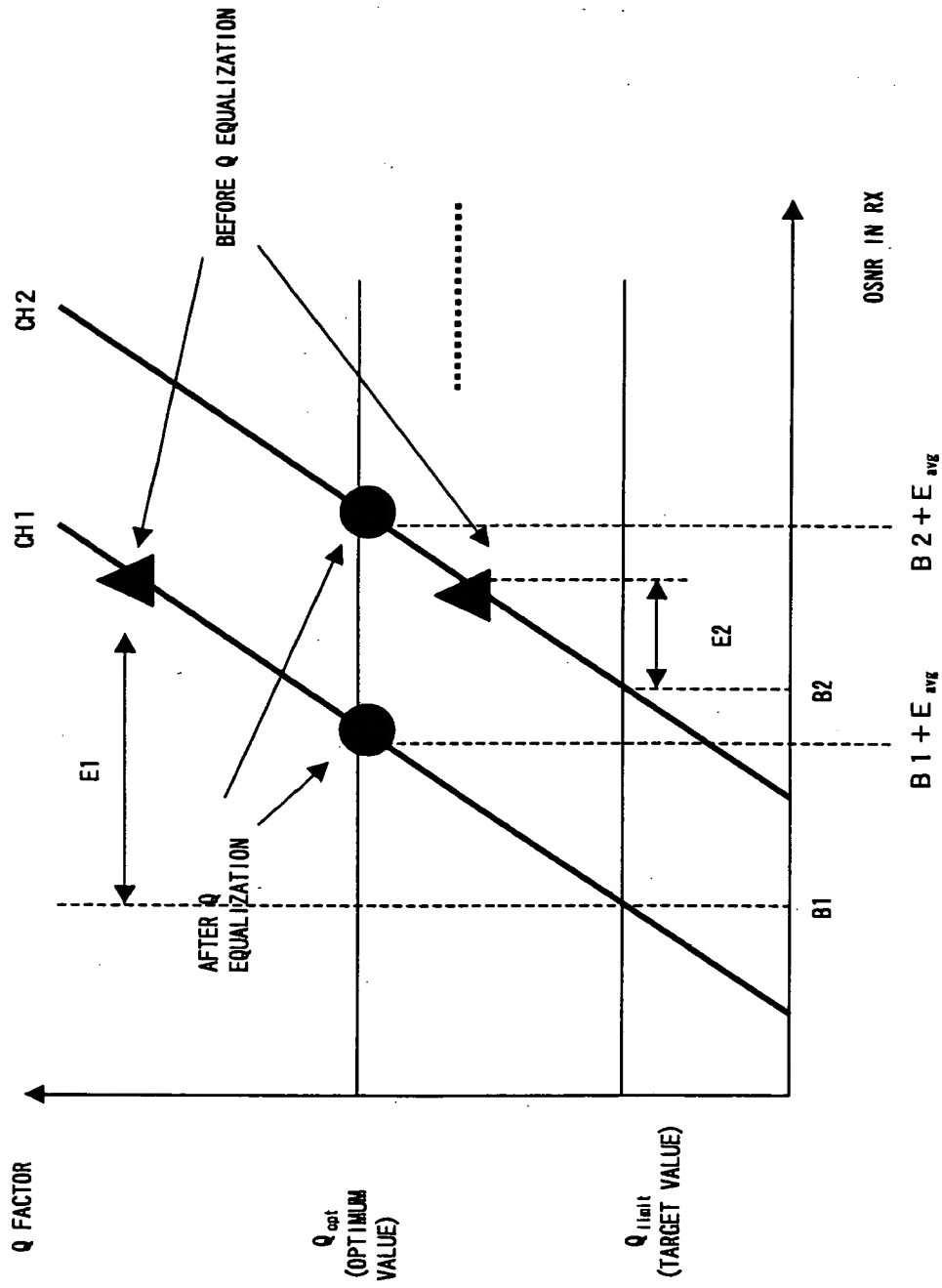


FIG. 13

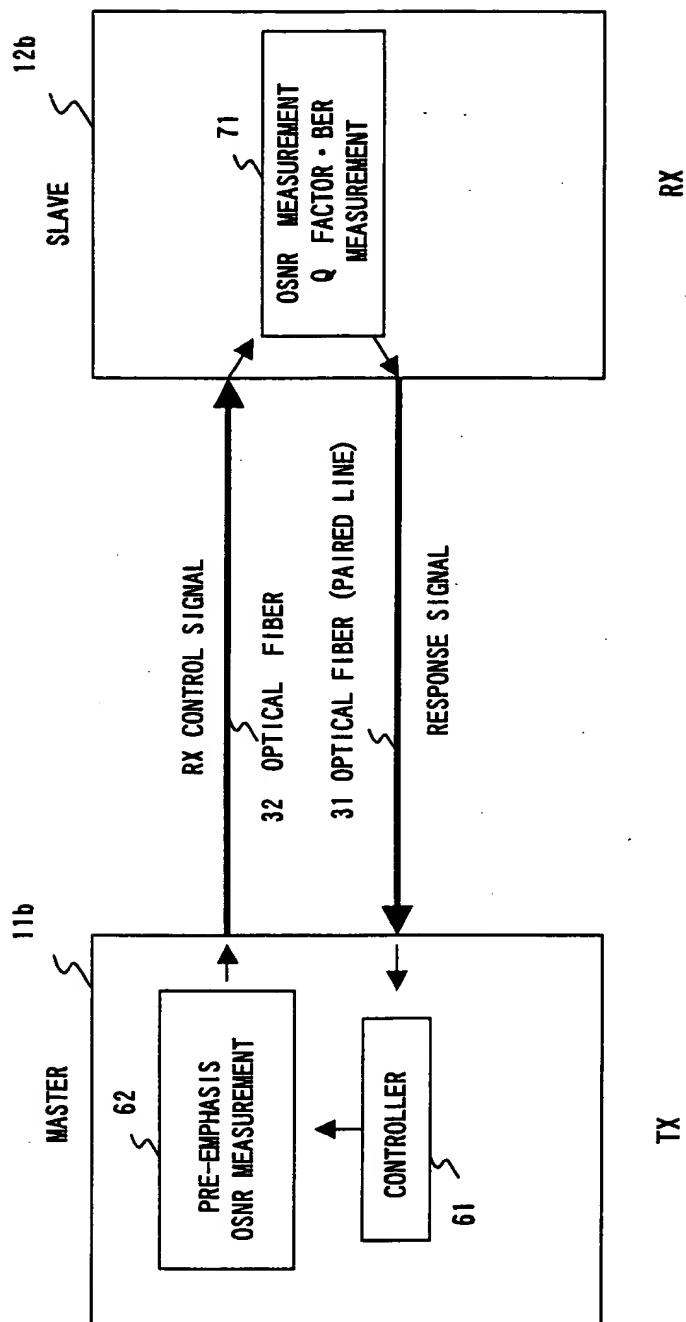


FIG. 14

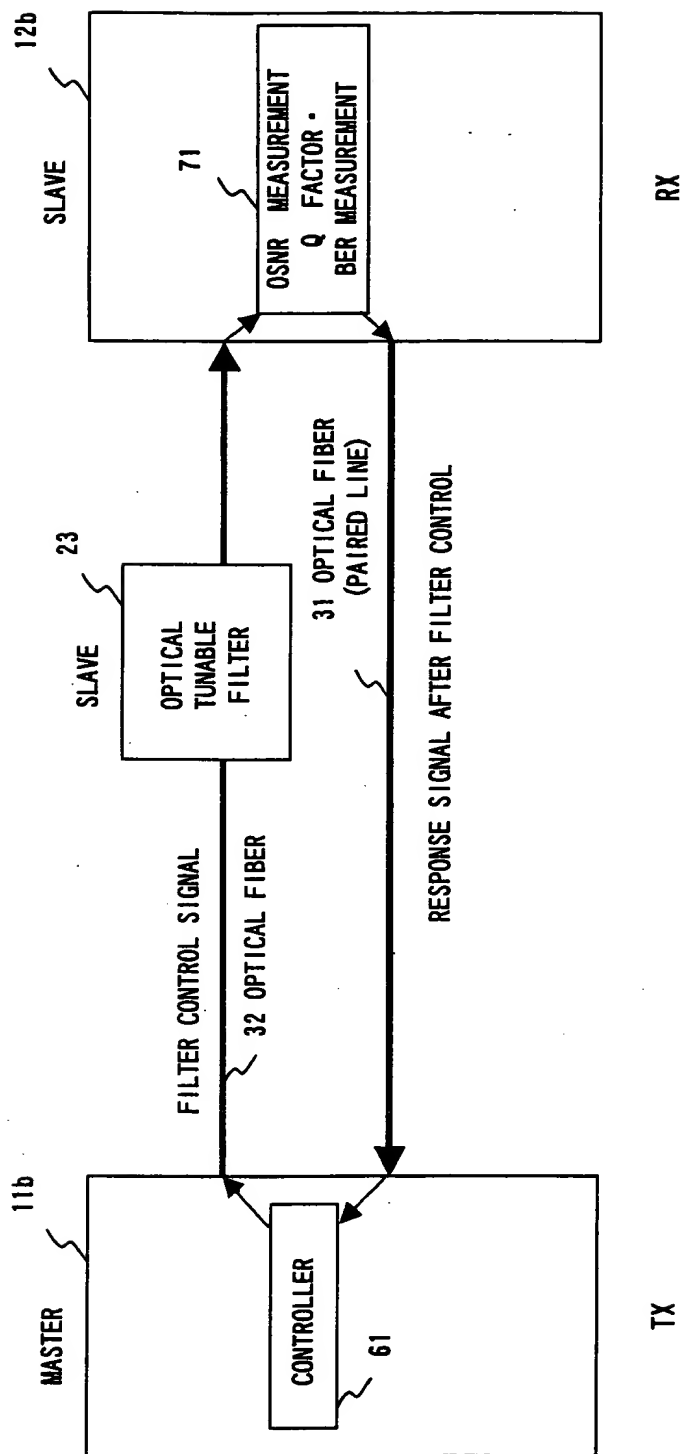


FIG. 15

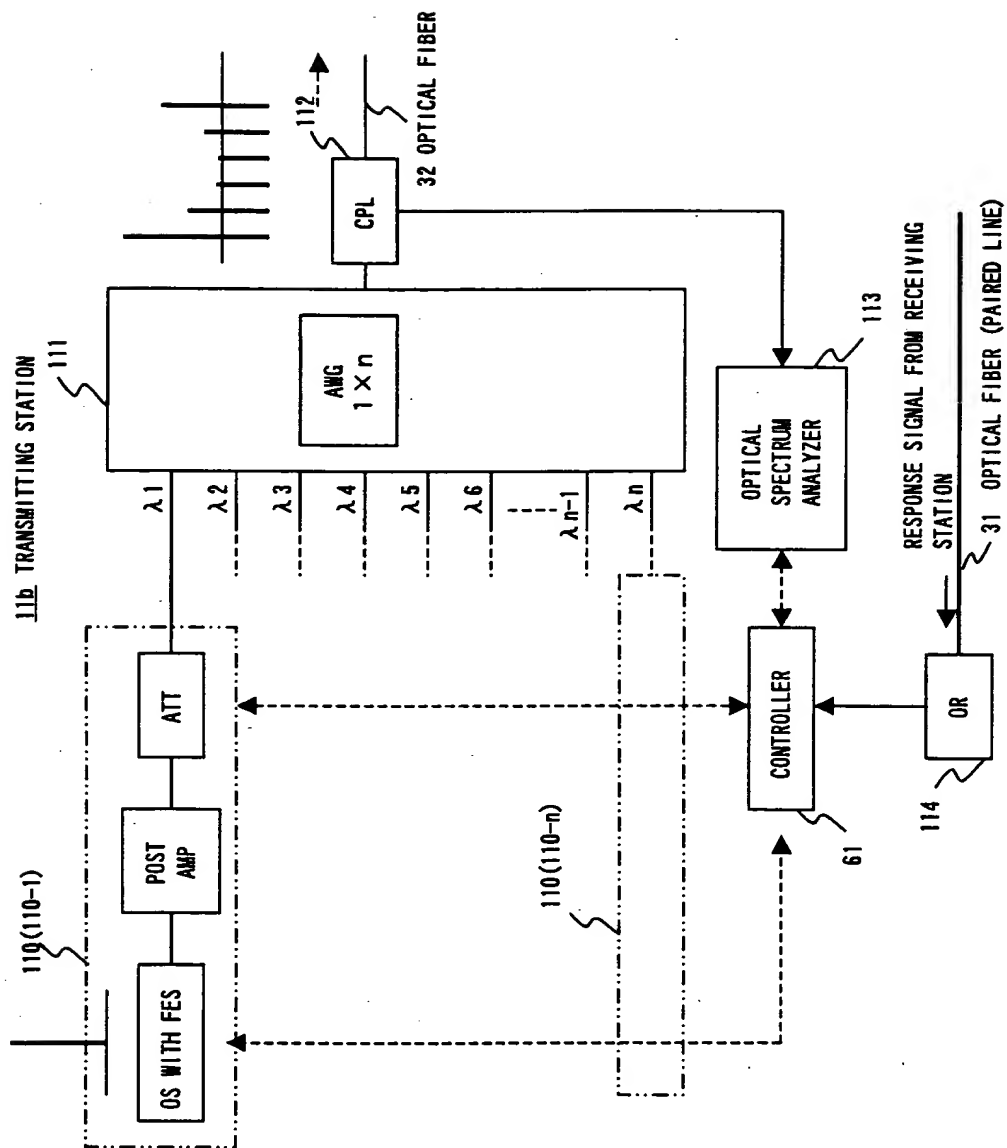


FIG. 16

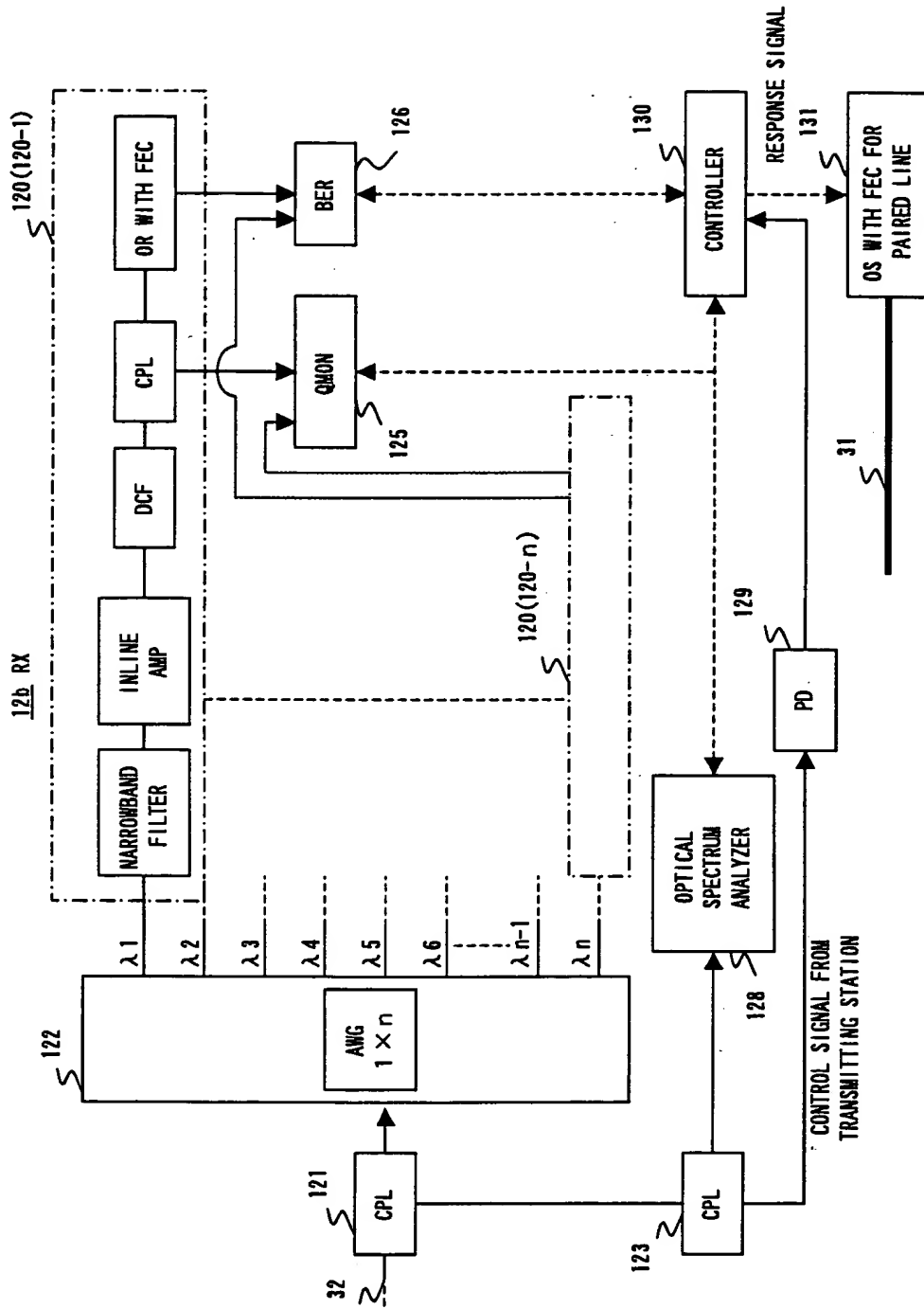


FIG. 17

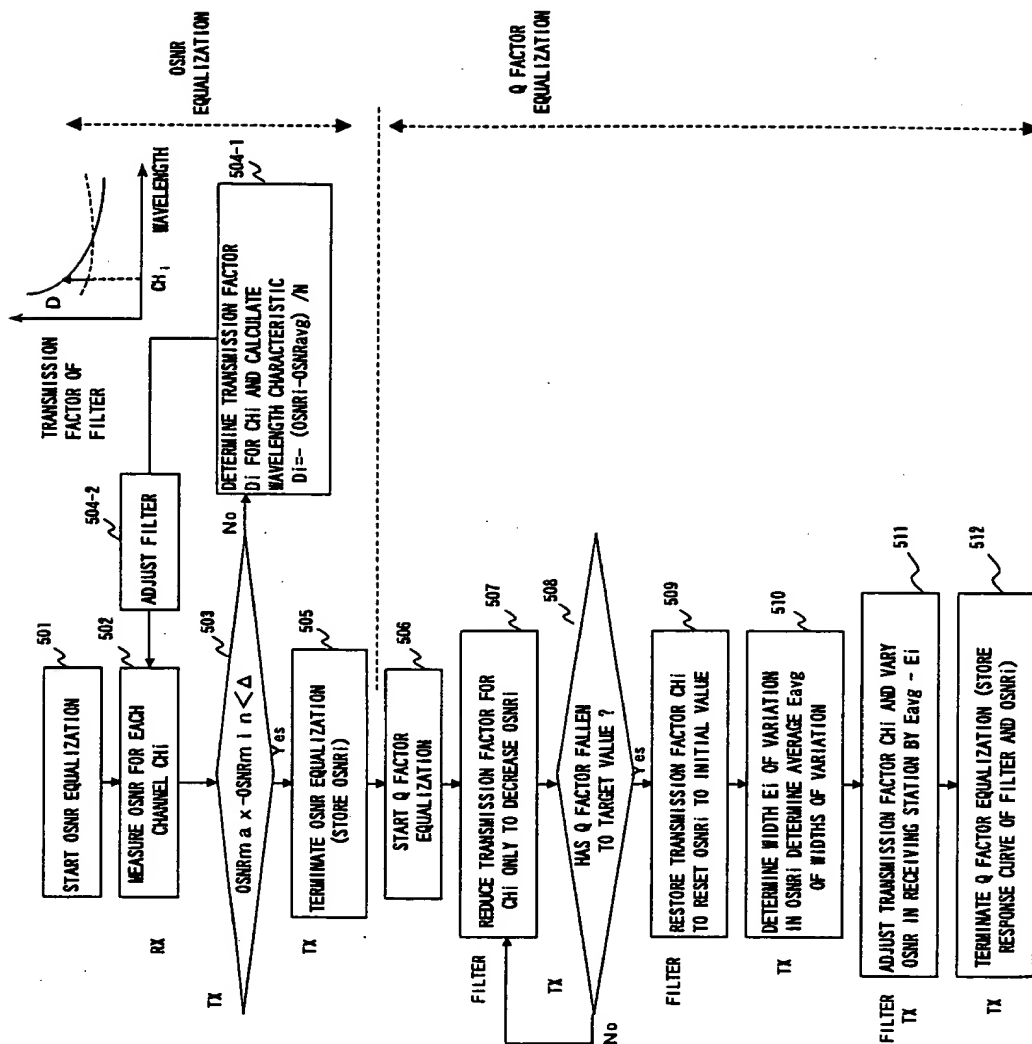


FIG. 18

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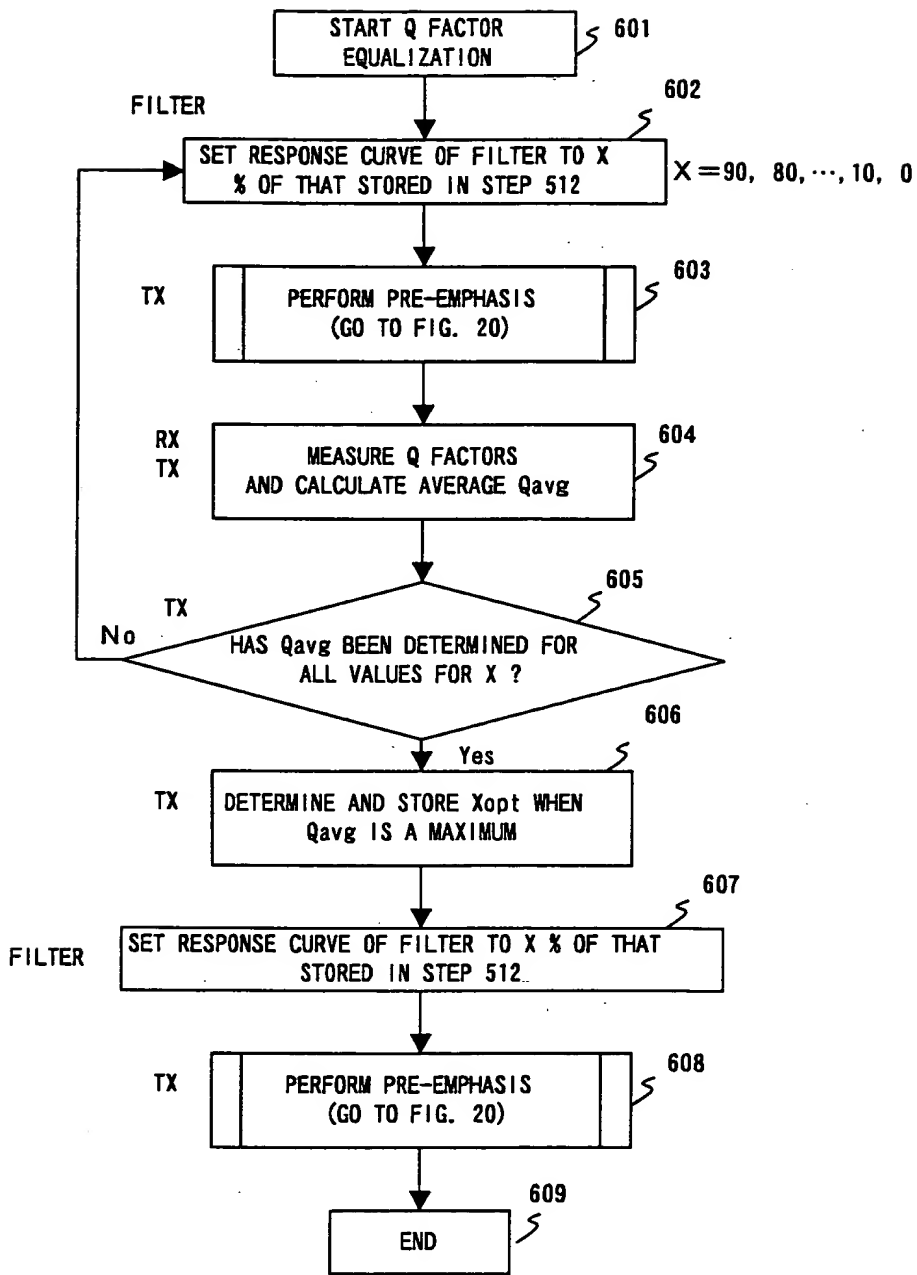


FIG. 19

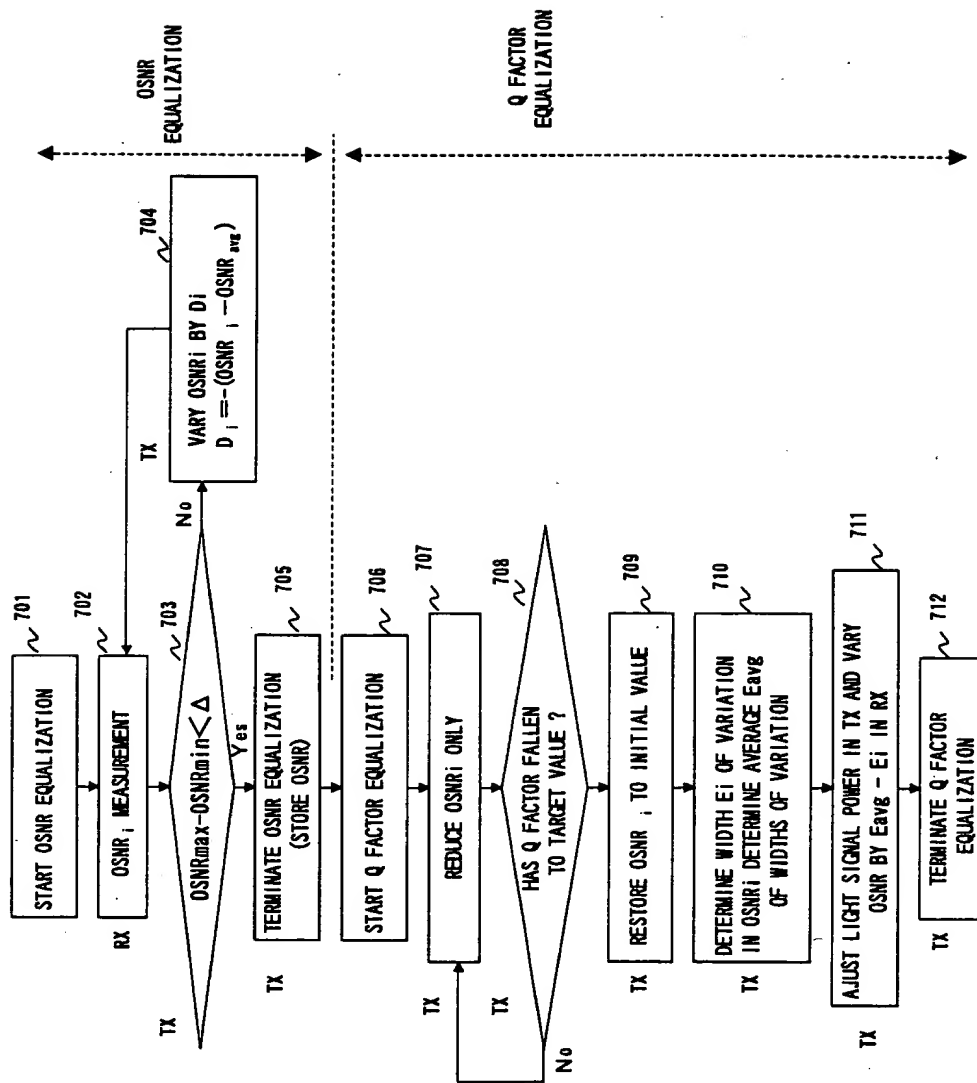


FIG. 20

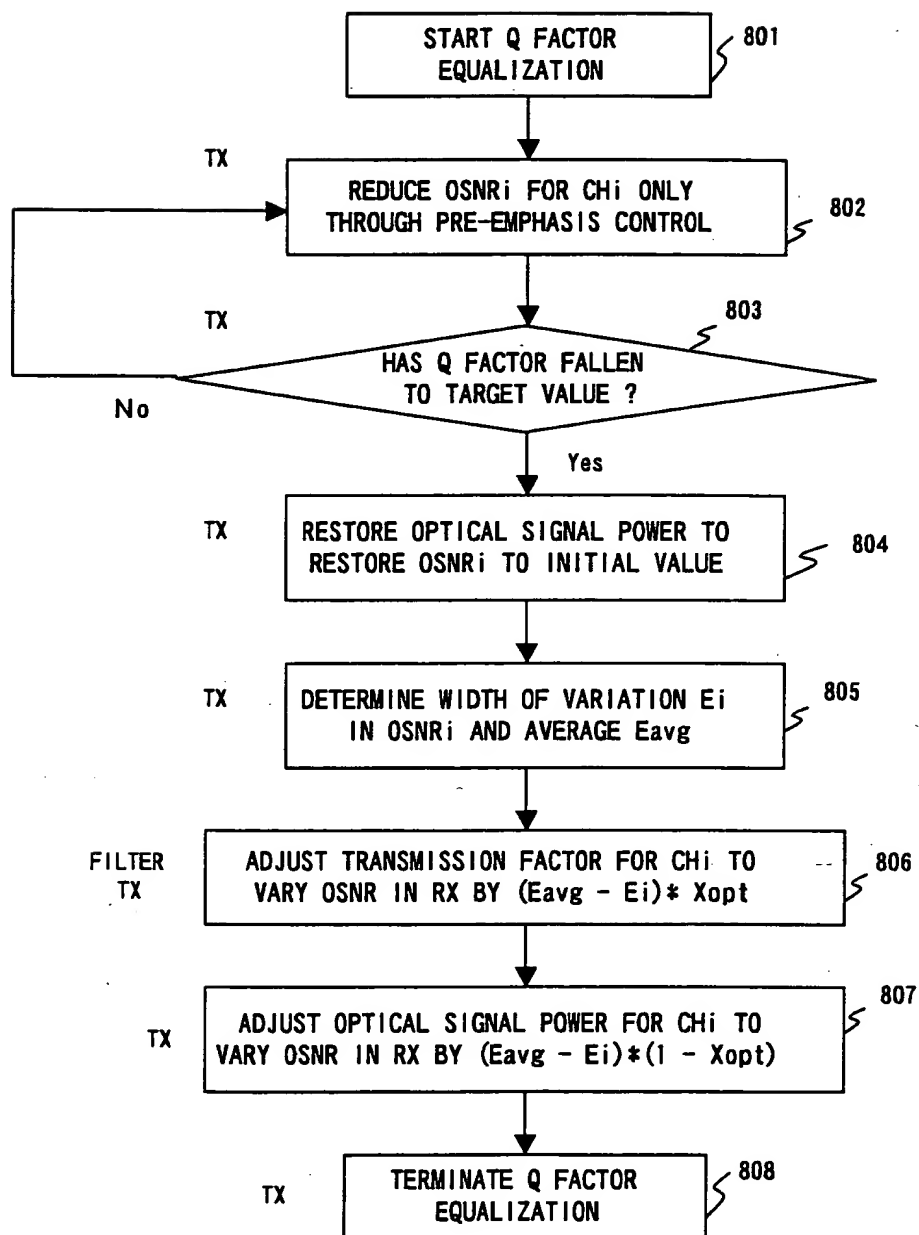


FIG. 21

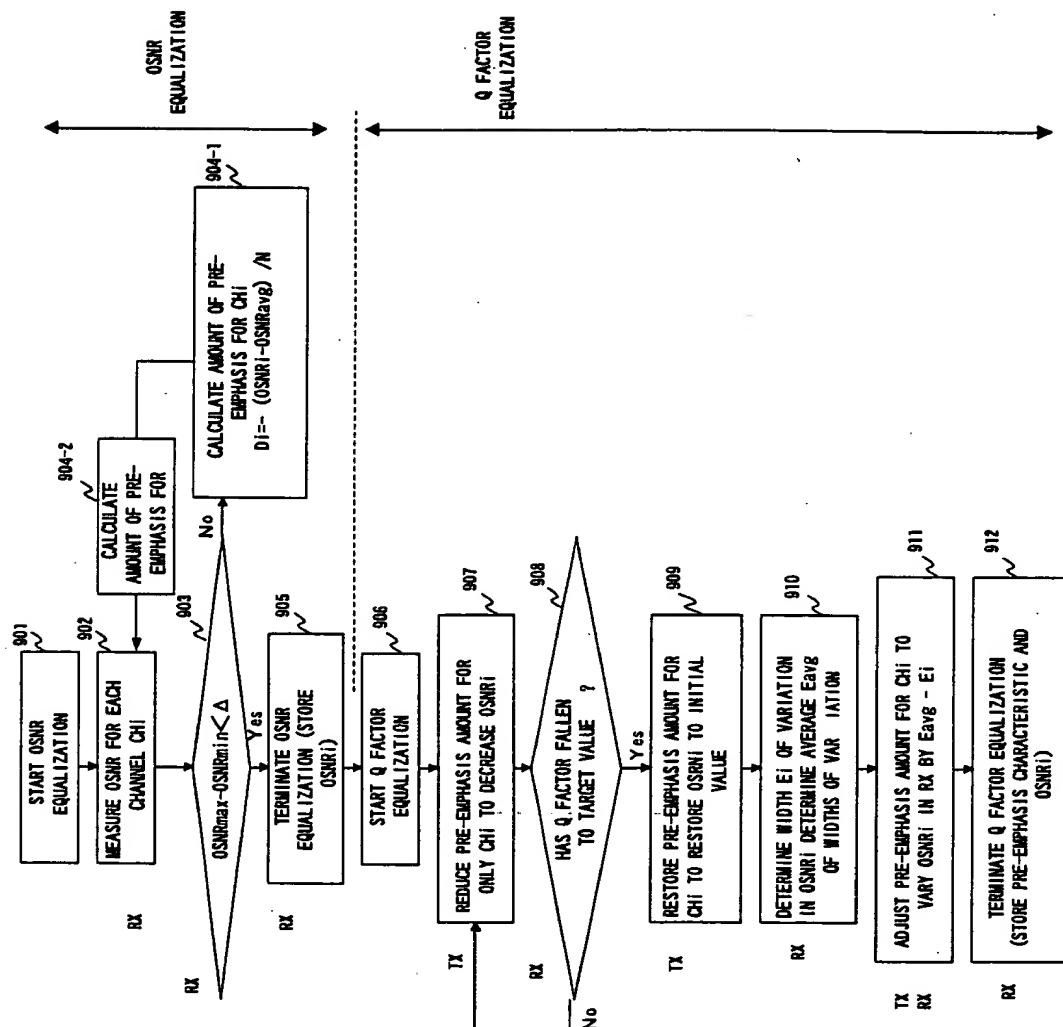


FIG. 22

1. The first part of the report, "Introduction", discusses the importance of the study and the objectives of the research. It also provides a brief overview of the methodology used in the study.

2. The second part of the report, "Literature Review", discusses the existing literature on the topic. It identifies the gaps in the literature and highlights the contributions of the study.

3. The third part of the report, "Methodology", describes the research design, data collection methods, and data analysis techniques used in the study.

4. The fourth part of the report, "Results", presents the findings of the study. It includes a detailed description of the data and the results of the statistical analysis.

5. The fifth part of the report, "Discussion", discusses the implications of the findings and the limitations of the study. It also provides recommendations for future research.

6. The sixth part of the report, "Conclusion", summarizes the main findings of the study and provides a final statement on the importance of the research.

7. The seventh part of the report, "References", lists the sources of information used in the study.

8. The eighth part of the report, "Appendix", contains supplementary material that supports the findings of the study.

9. The ninth part of the report, "Index", provides a list of the topics covered in the report.

10. The tenth part of the report, "Glossary", defines the terms used in the report.

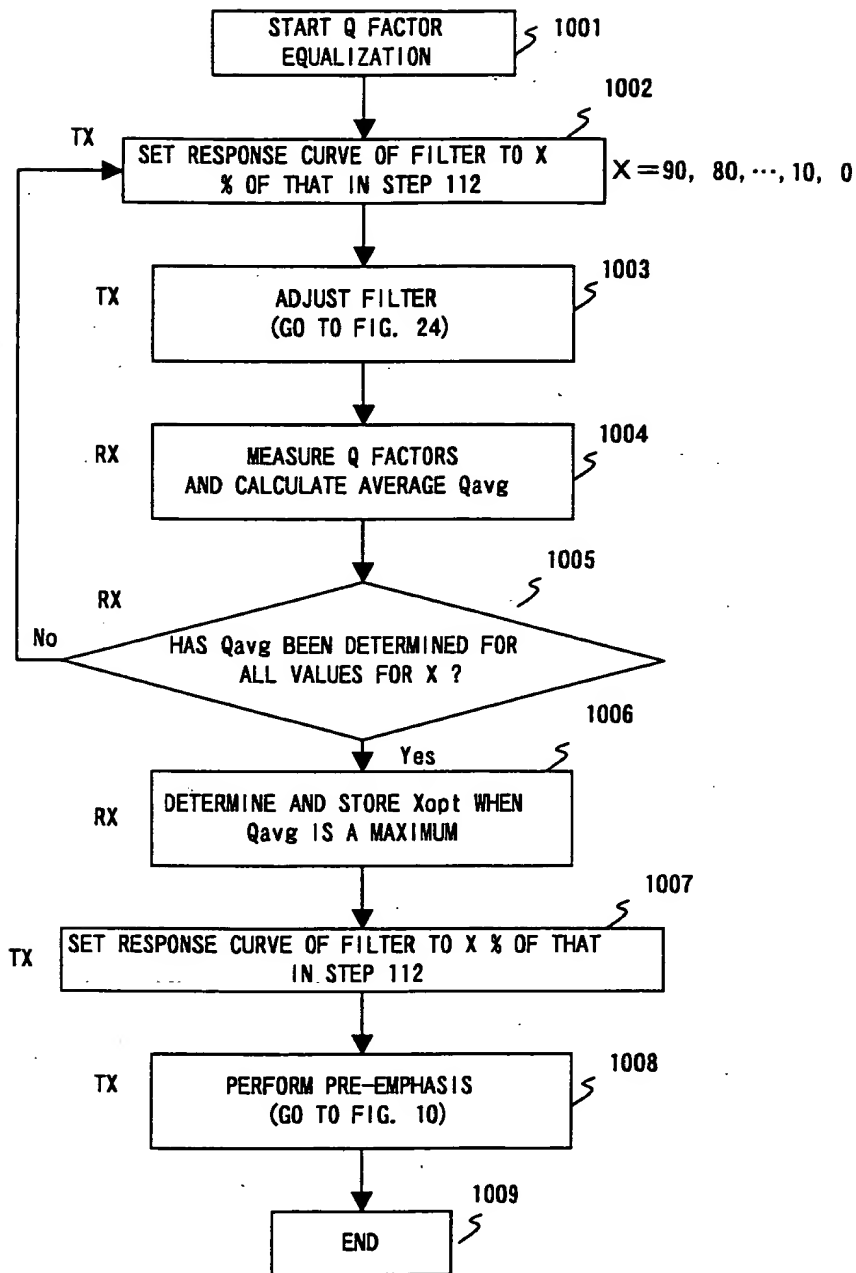


FIG. 23

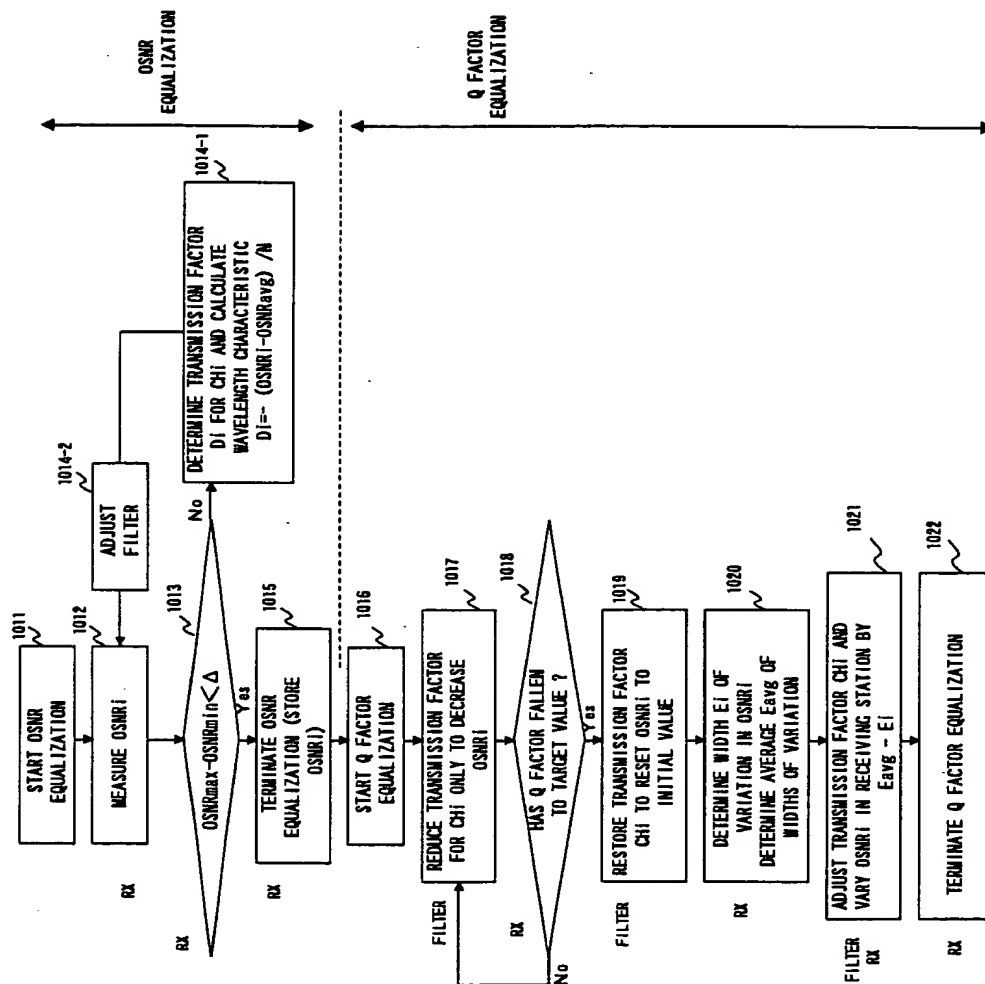


FIG. 24

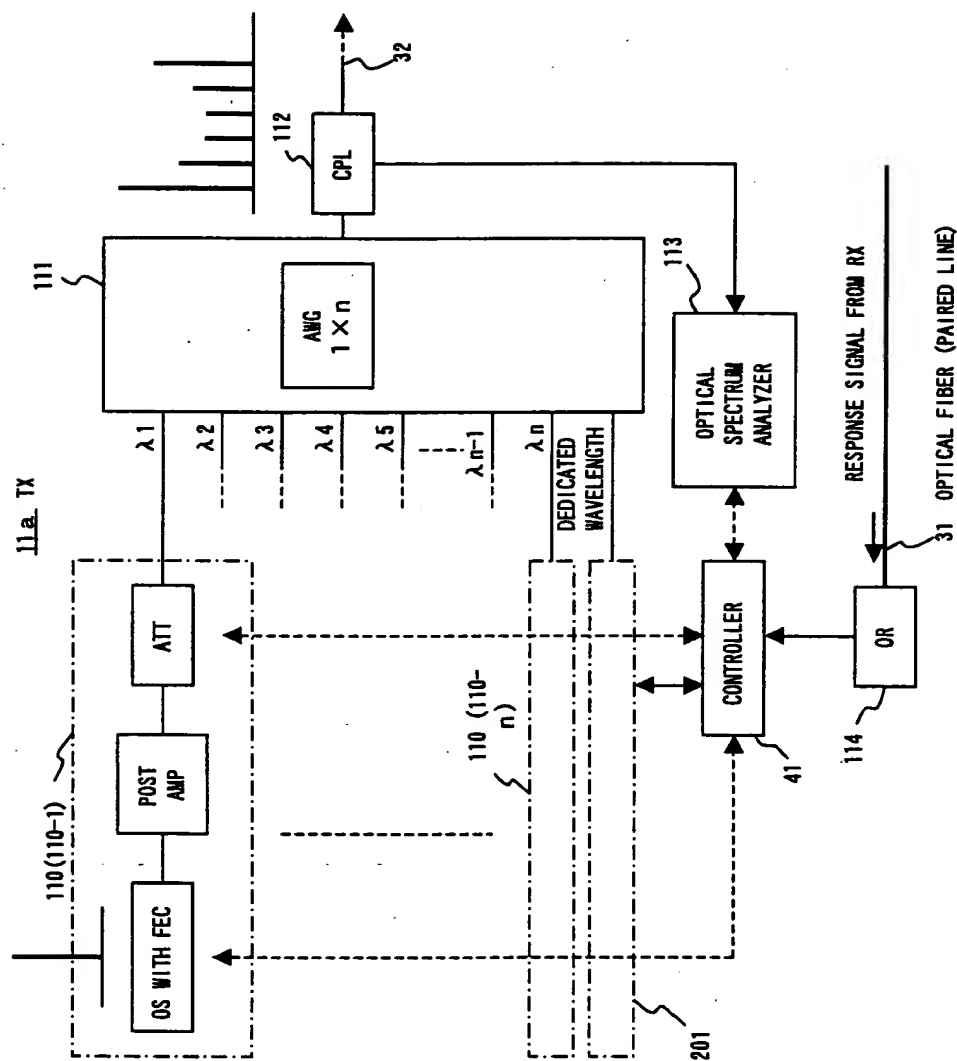


FIG. 25

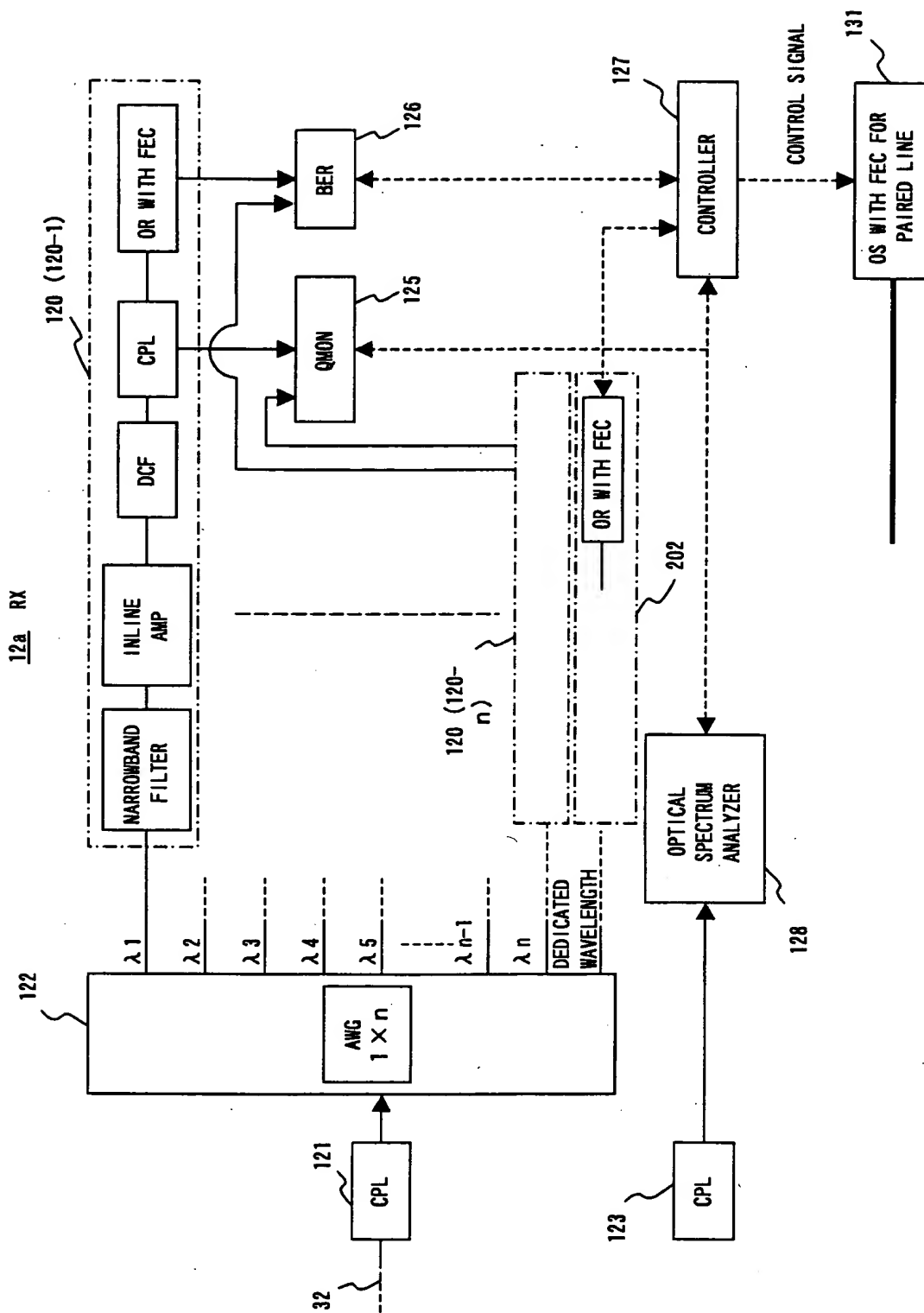


FIG. 26